



Complete Air Pollution Solution & Material Handling Systems



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A. Conveyor belt
 B. Cyclone
 C. Bag filter
 D. Idler roller

E. Belt conveyor
 F. Impact Roller
 G. Chimney



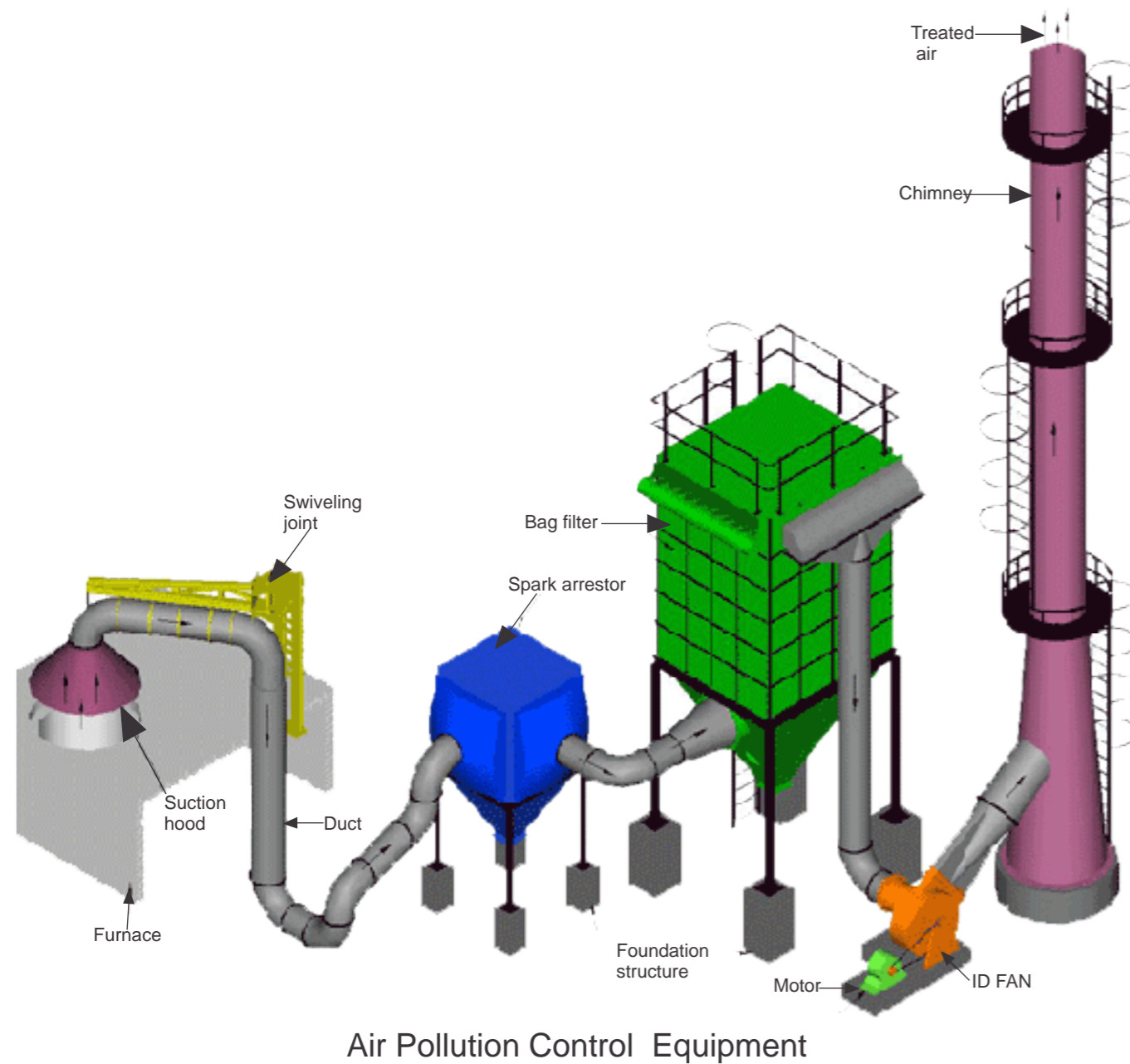
CASE is a specialist in pollution control system and Bulk Material Handling equipment. Company offers services from Concept Design to project completion.

CASE, being in its Quadrennial tenure, has successfully completed projects throughout India and Overseas for a wide range of Blue Chips Clients.

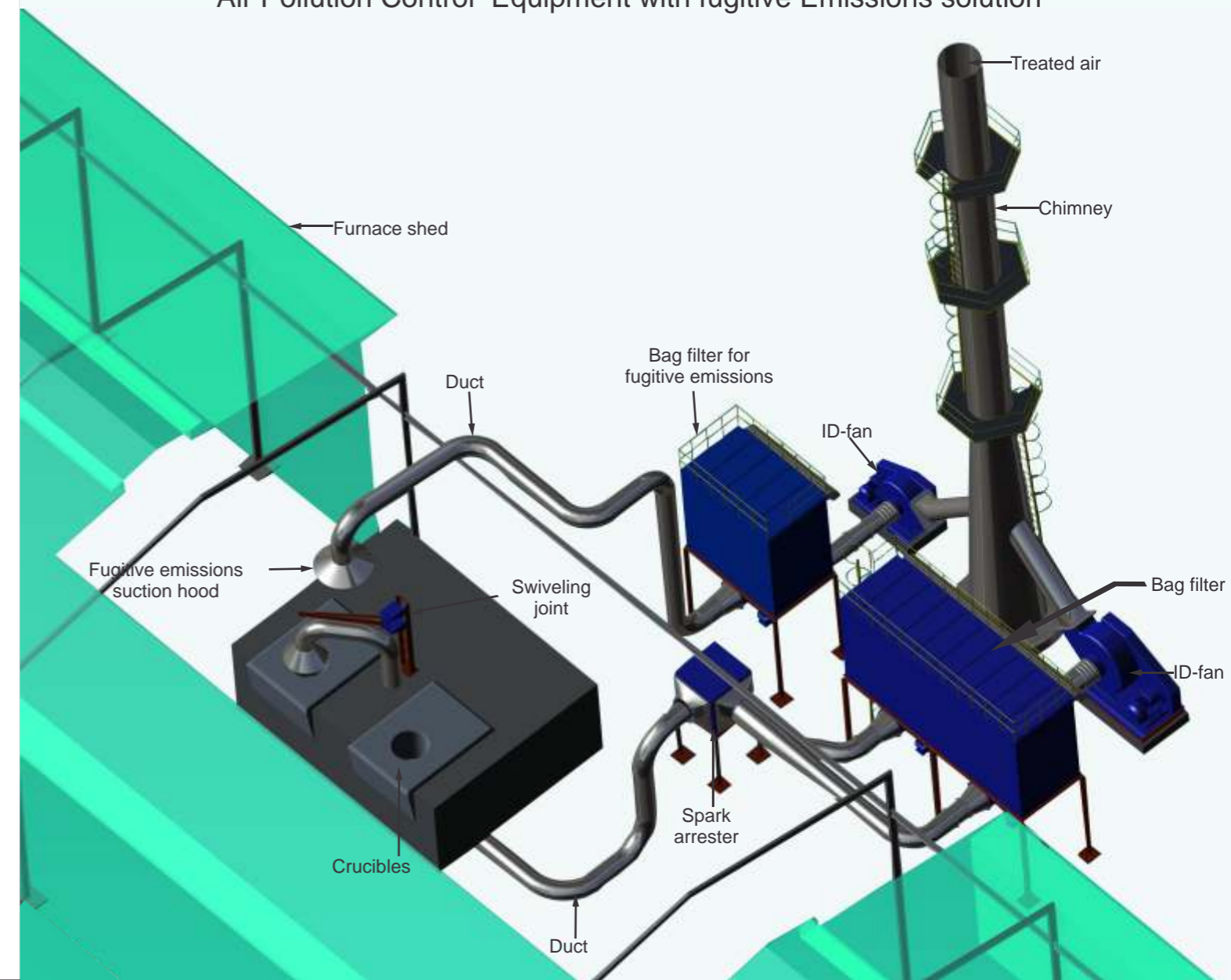
We recognize air pollution system and bulk material handling as an integral to client's process & are a true multi-disciplinary application that must be tailored to fit with many other aspects of client's business. We call on the full range of in-house specialty process skills necessary to understand & integrate the systems with a wide range of processes, and as such offer a complete engineering service package to its clients.



Wide range, state of the art Air Pollution Control Equipments...



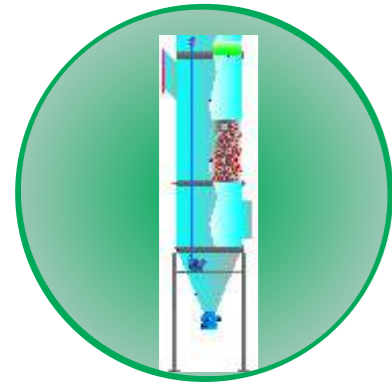
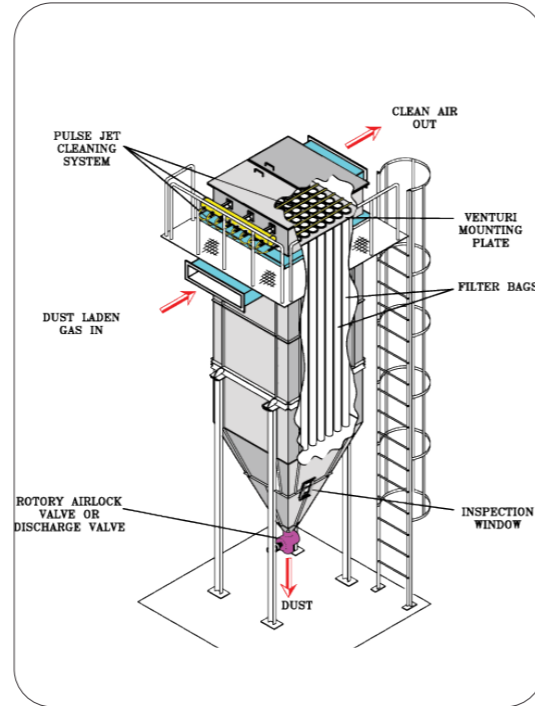
Air Pollution Control Equipment with fugitive Emissions solution



Air Pollution Control & Equipments

Principal of Working

Overall principle consists of suction & the pollutants from all sources. Then the polluted air is passed through appropriate media. This media can be a bag house which consists of filter material stacked together to dry filter the air. This media can also be a wet scrubber which apart from taking care of the particulates, also dissolves the harmful gases with water and flushes them out. This water can be cleaned later for drainage/uses. An induced or forced draft fan can be used depending on the application which sucks the polluting air and throws it through the chimney after the treatment. Chimney height can vary from place to place depending on the pollution control norms of the area and the proximity of the industry with the residential areas.



Wet scrubber

- Essential equipment for removing gaseous pollutants.
- Improve efficiency of removal of most unwanted gas from flue gas by water.
- Circulating water absorbs Sulfur Di-Oxide gas and the acidic water.
- Same water is re-circulated in the system after treatment.

Bag filter cartage

- Cost effective filter bags for demanding applications.
- Highly efficient with an extremely high practical retention rating.
- Fully welded construction for high efficiency and bypass free filtration.
- Expanded light material increase dust holding capacity.



Venturi Scrubbers

- High-velocity spray venturi scrubbers.
- Removing fine dust particles from industrial air streams.
- Widely used throughout the chemical industry for decades.
- Remove fine particles from volatile, hazardous or corrosive gas streams, or gas streams containing solid materials that are difficult to handle.

Spark Arrester

- Designed and fitted before the bag house.
- Avoid entering any spark into the bag house.
- More effect to reduce the burning of polyester bag of bag house.



Cyclones & Chimneys

- Design all construction minimize abrasion as system particulate is collected and separated.
- Easy to install and maintain.
- High grade material used, seamless corrosion resistant optimum quality.
- Velocity undergoes redistribution.
- Tangential components of velocity increases with decreasing radius.

Rotary air lock

- Wide range in round and square size.
- Fabricated to suite as site conditions.
- Variable speed as per application.
- 100 to 1000mm size available (bigger sizes also on demand).
- Efficiency 50-60% of volume.



Material Handling

Material handling means :-

- Providing the right amount
- Right material
- In the right condition
- At the right place
- At the right time
- In the right position
- For the right cost
- By using the right method



Material Handling

•MANUFACTURING RANGE

Belt Conveyors
Long Distance Conveyors
Pipe Conveyors
Screw Conveyors
Slat Conveyors
Bucket Elevators
Vibrating Screen
Coal Crusher

•CONVEYOR COMPONENTS

Rollers
Pulleys
Rod Gates, Flap Gates & Rack & Pinion Gates.
Chutes, Bunkers
Gratings & Grizzly
Scrappers
Conveyor Technological Structure
Heavy & Light Steel Fabricated Structure

•PROCESS EQUIPMENTS

Pressure Vessels
Hoppers, Bins
Pipe Line
Chimneys / Silos
Heat Exchangers / Condensers
Reactors (Agitators Equipments)
Columns / Storage Tanks
Furnace Oil Tanks

•TURNKEY EXECUTION OF

Coal / Lignite Handling Plants
Biomass Handling Plants
DRI & SMS Handling systems
ASH Handling Plants
Cement Handling systems & many more

Material Handling Equipment

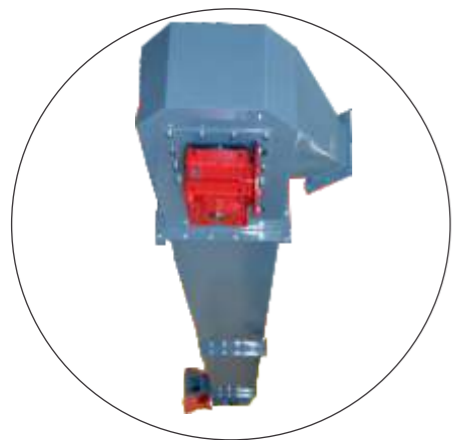


Screw conveyor

- U-trough screw conveyor
- Vertical conveyor
- Inclined screw conveyor
- Pipe type screw conveyor
- With various pitches (short pitch, long pitch, half pitch and variable pitch)

Crusher

- Cone crusher
- Jaw crusher
- Impact crusher
- Suitable for coal cement, stone and others



Bucket elevator

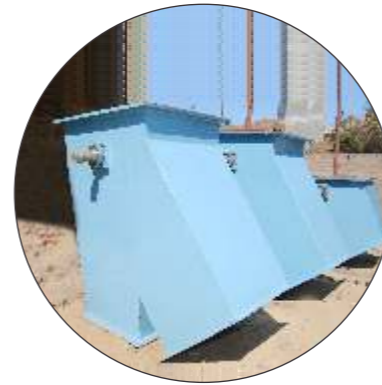
- Belt type
- Chain type
- Continuous discharge
- Centrifugal discharge

Gate

- Slide gate
 - Shut off gates
 - Flow control gates
 - Guillotine gate
- 100 to 1000mm size available



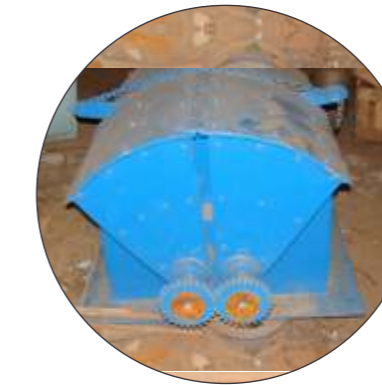
Belt scraper & Hopper



Material diverter & Rotary air lock



Pipe conveyor & Bin



Sector gate & Idler

